

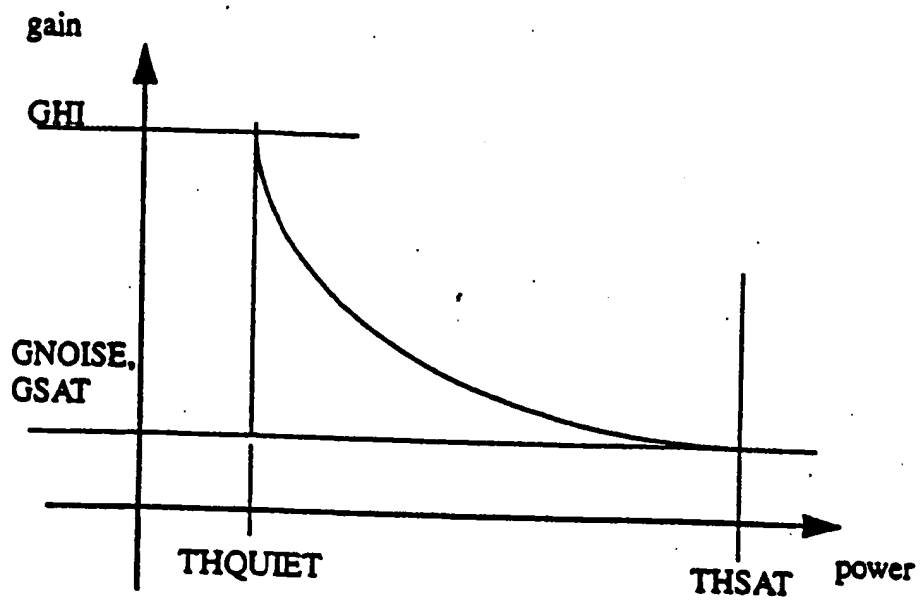
The diagram illustrates an Open Loop Table-based AGC system. It consists of the following components and signal flow:

- Input Sample $n_e(t)$ (12):** The initial input signal.
- Input Power Estimation (14):** A block that receives the input sample and outputs a power estimate $P(t)$ (16).
- Lookup Table (18):** A block that receives the power estimate $P(t)$ and outputs a gain value $g(t)$ (20).
- Multiplier (22):** A circular block labeled 'X' that receives both the original input sample $n_e(t)$ (12) and the gain value $g(t)$ (20).
- AGCed sample (24):** The final output signal, which is the product of the input sample and the gain.

The overall system is labeled 10.

Open Loop Table based AGC

FIG 1.

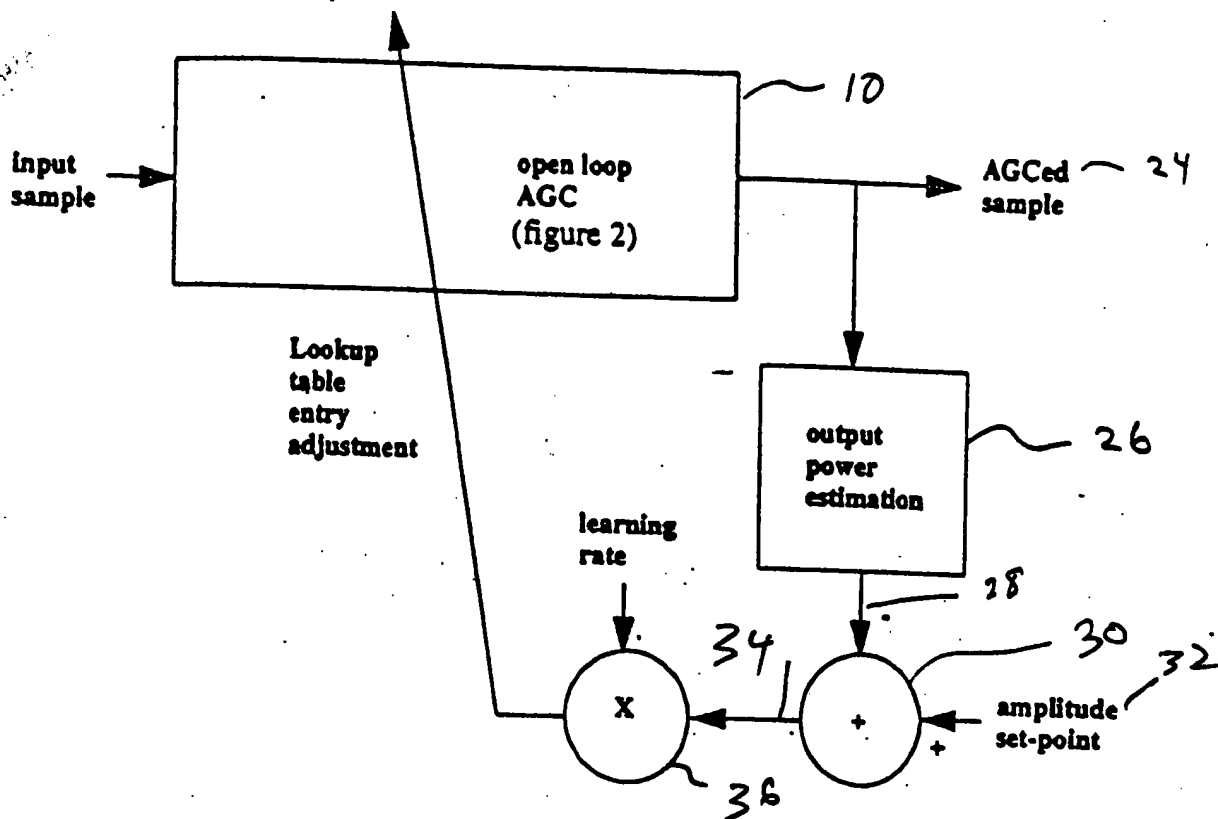


Gain Table

FIG. 2

FOOTNOTES

TOP SECRET



Closed loop Table based AGC

FIG. 3

FIG. 4

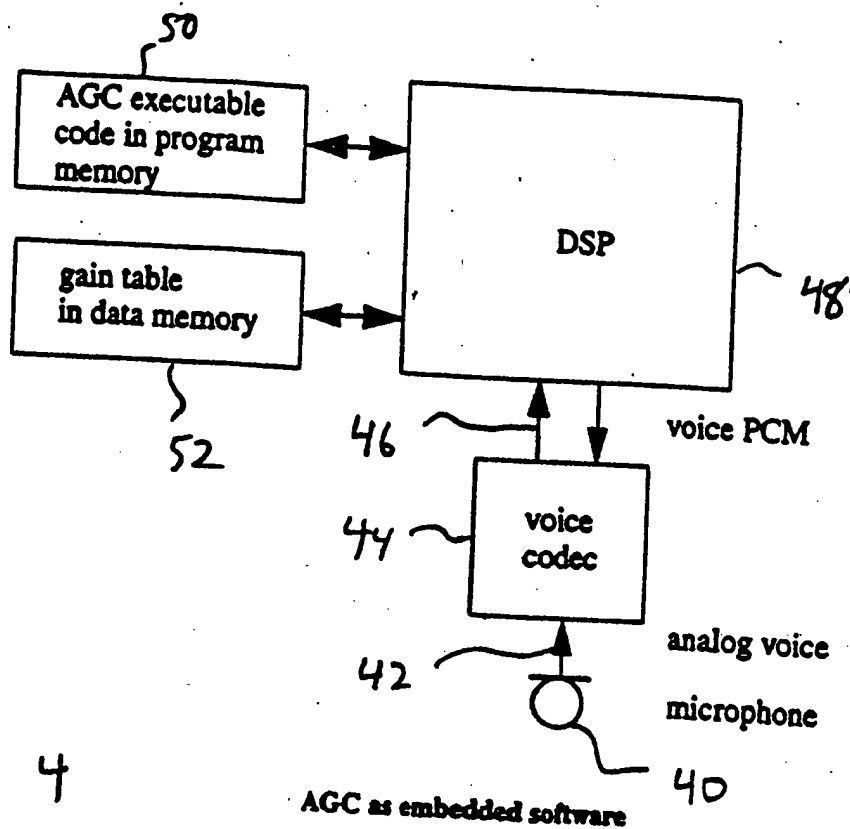


FIG. 5

100

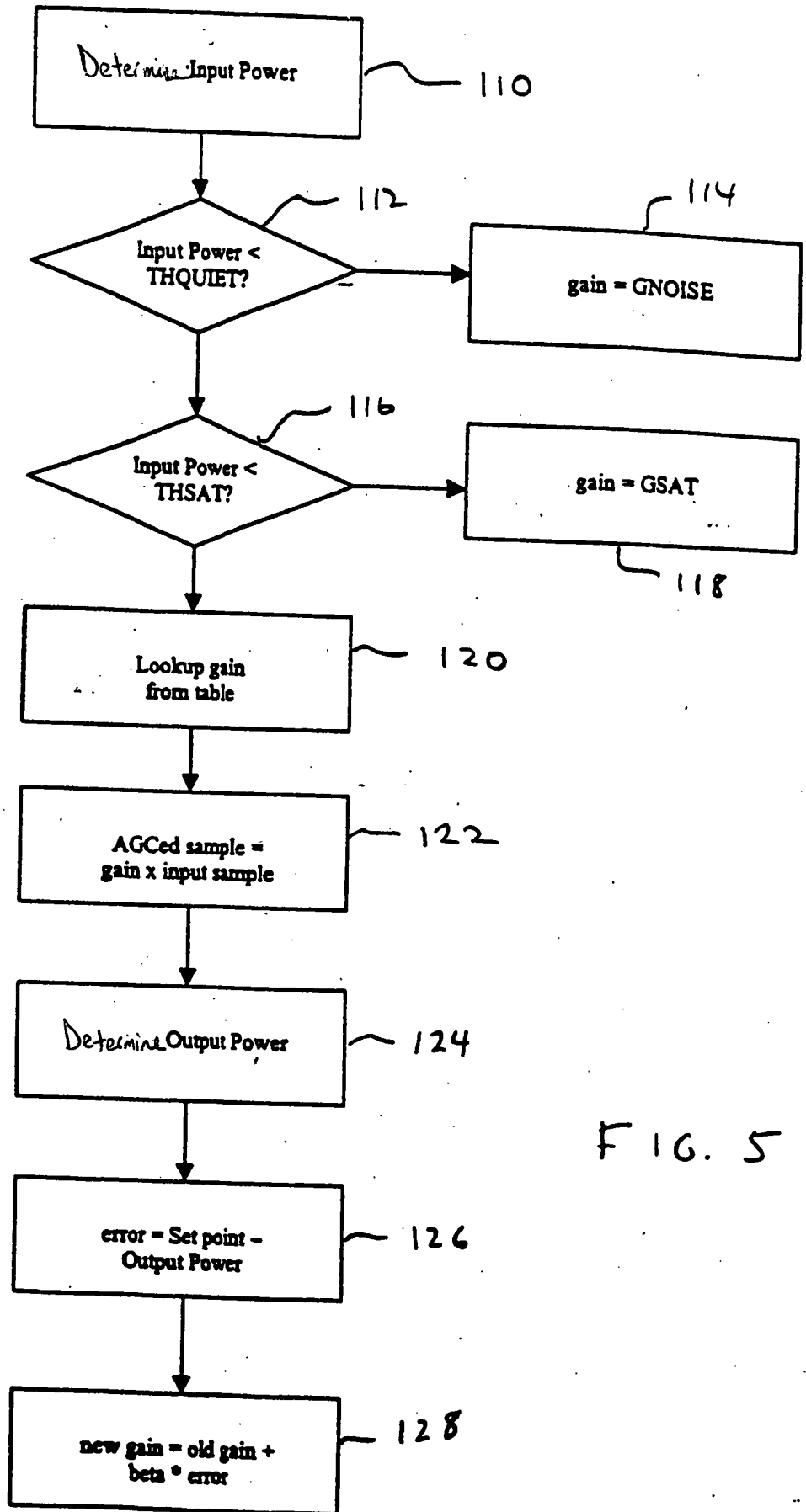


FIG. 5

102004 6120660

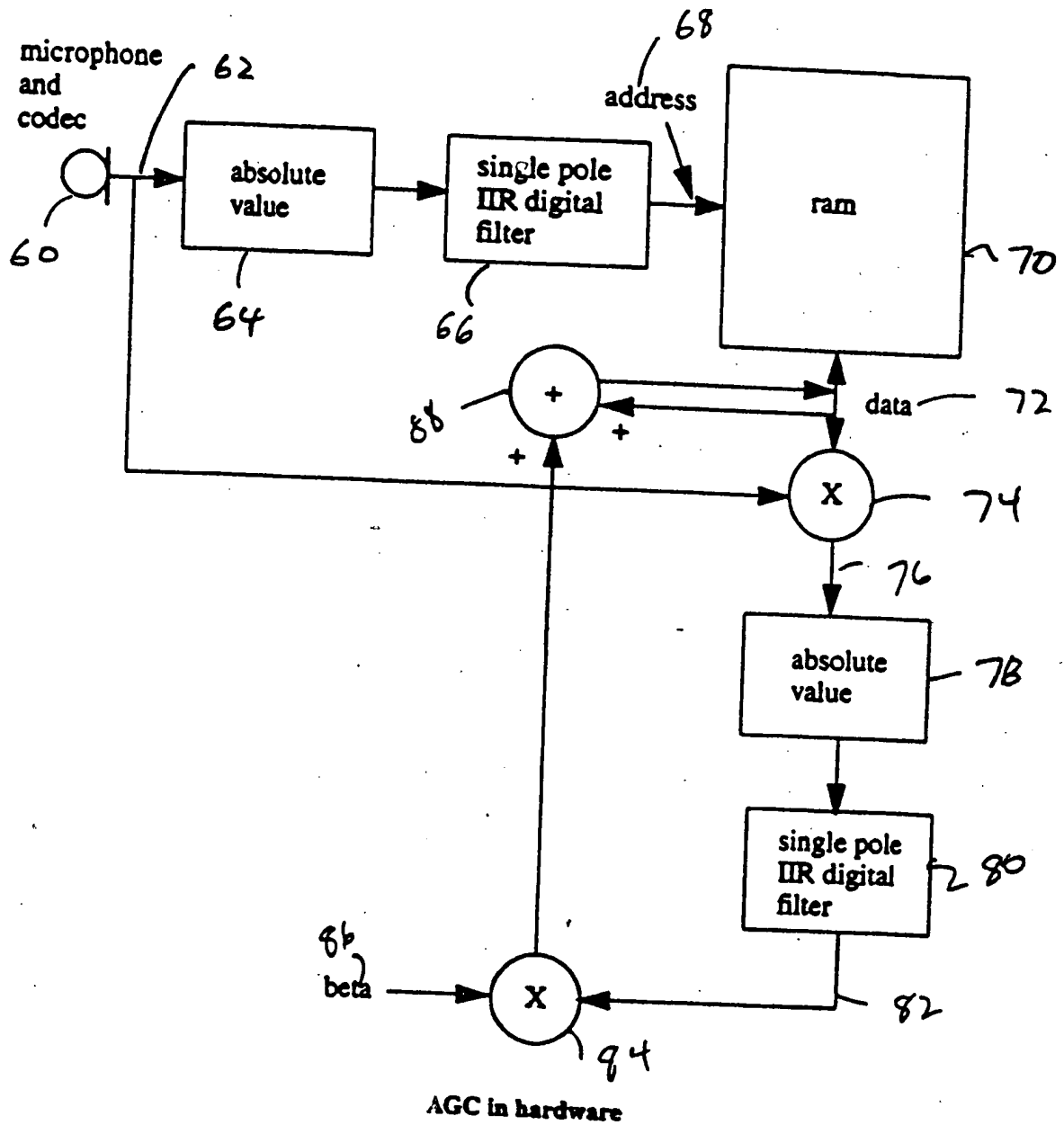


FIG 6

Before ABC

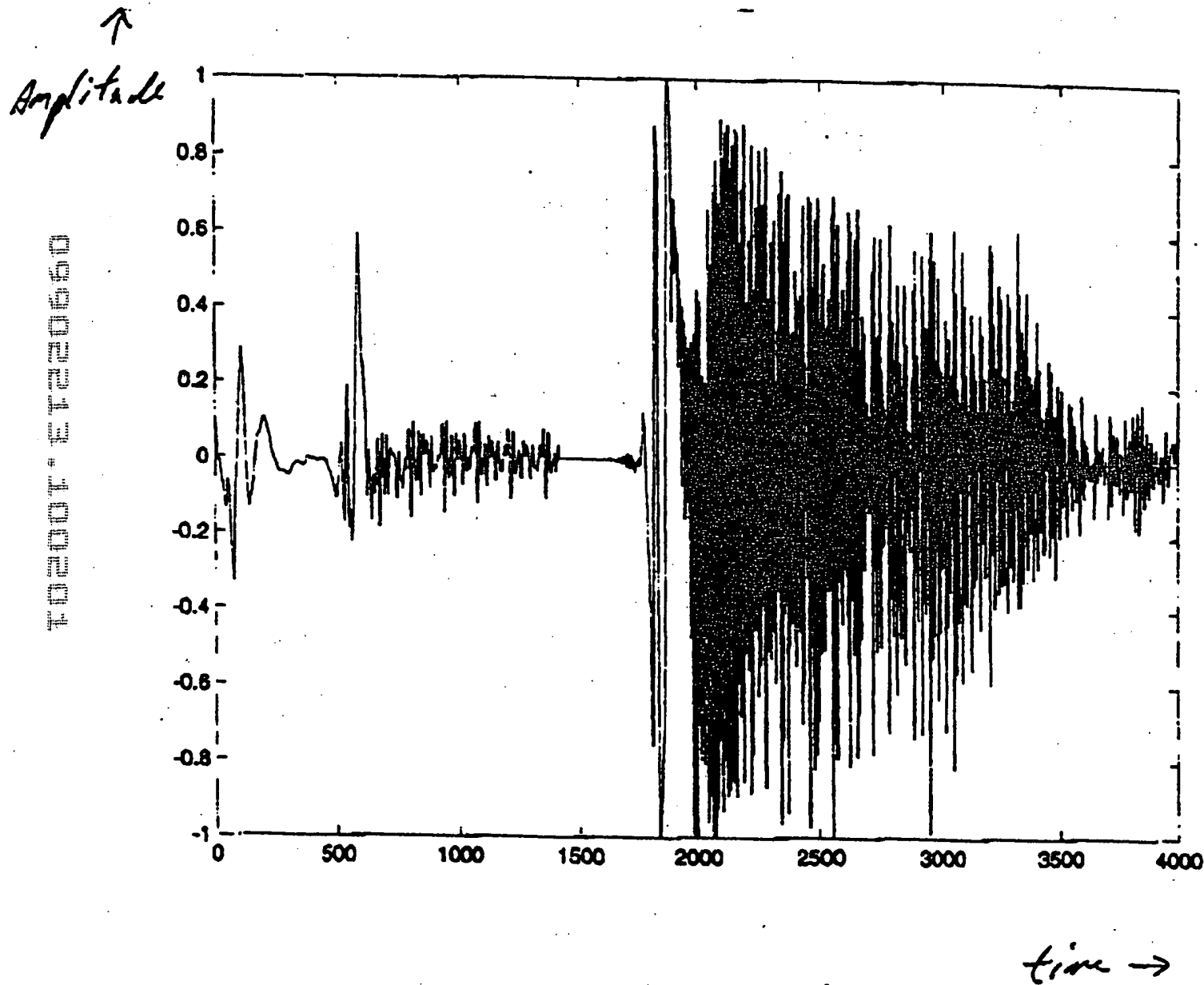


Figure 7

After AGC

↑
Amplitude

00001-10001

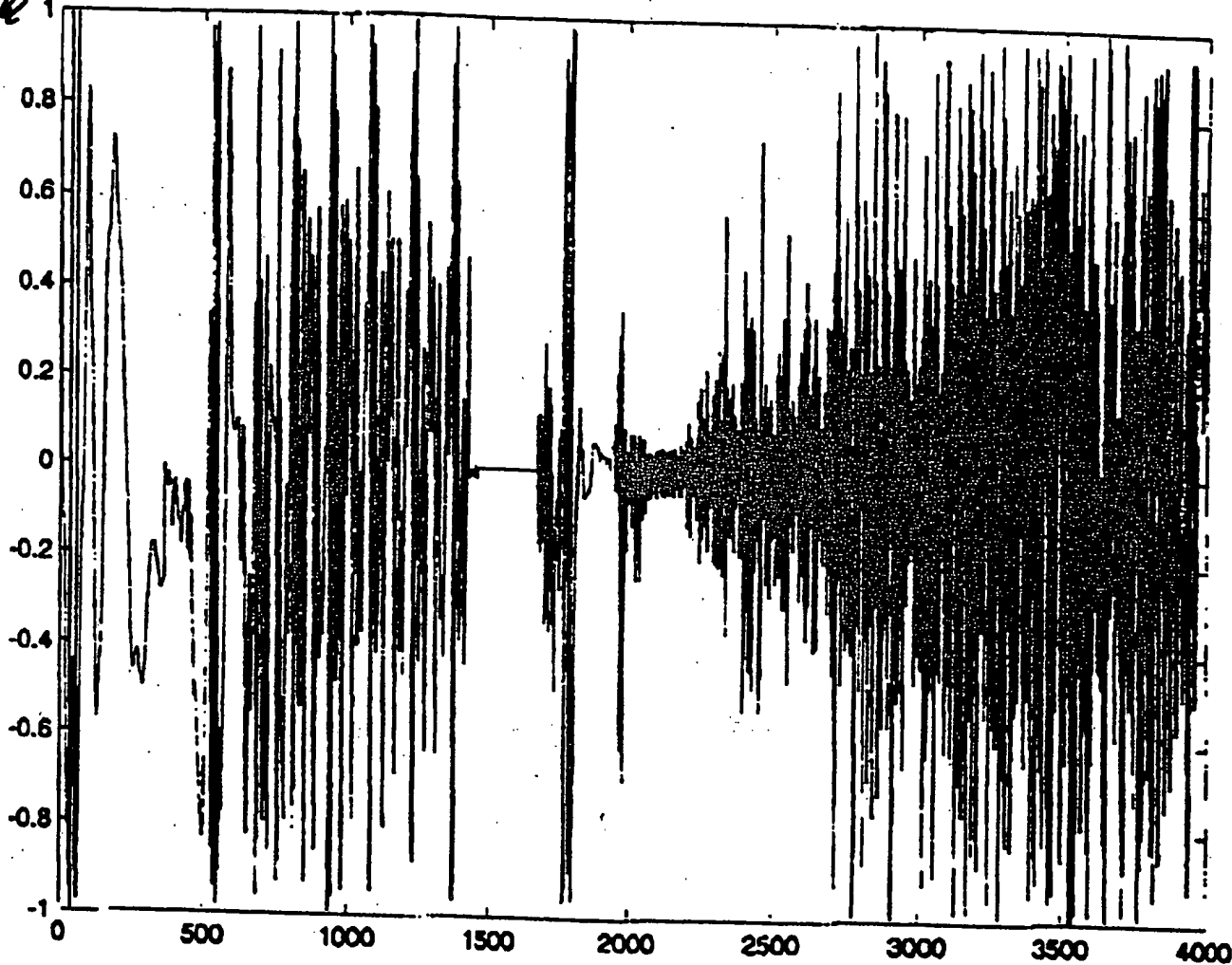


Figure 8